NOTICE OF DRAFTPERSON'S
PATENT DRAWING REVIEW

The drawing filied (insert date) 11/28/97 are:

A. _____ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.

B. __✓__ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

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1. **DRAWINGS**. 37 CFR 1.84(a): Acceptable categories of drawings:
   Black ink. Color.
   _____ Color drawing are not acceptable until petition is granted
      Fig.(s) _____
   _____ Pencil and non black ink is not permitted. Fig(s)_____ _____

2. **PHOTOGRAPHS**. 37 CFR 1.84(b)
   _____ Photographs are not acceptable until petition is granted
   _____ 3 full-tone sets are required. Fig(s)_____
   _____ Photographs not properly mounted (must brystol board or photographic double-weight paper). Fig(s)_____
   _____ Poor quailty (half-tone). Fig(s)_____

3. **TYPE OF PAPER**. 37 CFR 1.84(e)
   _____ Paper not flexible, strong, white and durable.
      Fig.(s)_____
   _____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)
   _____ Mylar, vellum paper is not acceptable (too thin).
      Fig(s)_____

4. **SIZE OF PAPER**. 37 CFR 1.84(F): Acceptable sizes:
   _____ 21.0 cm by 29.7 cm (DIN size A4)
   _____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
   _____ All drawings sheets not the same size.
      Sheet(s)_____

5. **MARGINS**. 37 CFR 18.4(g): Acceptable margins:
   _____ Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
      SIZE: A4 Size
   _____ Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
      SIZE: 8 1/2 x 11
   __✓__ Margins not acceptable. Fig(s) 2
   ____ Top (T)   ____ Left (L)
   __✓__ Right (R) _____ Bottom (B)

6. **VIEWS**. CFR 1.84(h)
   REMINDER: Specification may require revision to correspond to drawing changes.
   _____ Views connected by projection lines or lead lines.
      Fig.(s)_____
   Partial views. 37 CFR 1.84(h)(2)
   _____ Brackets needed to show figure as one entity.
      Fig.(s)_____
   _____ Views not labeled separately or properly.
      Fig.(s)_____
   _____ Enlarged view not labeled separately or properly.
      Fig.(s)_____

7. **SECTIONAL VIEWS**. 37 CFR 1.84(h)(3)
   _____ Hatching not indicated for sectional portions of an object
      Fig(s)_____
   _____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s)_____

8. **ARRANGEMENT OF VIEWS**. 37 CFR 1.84(i)
   _____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)_____
   _____ Views not on the same plane on drawing sheet. Fig.(s)_____

9. **SCALE**. 37 CFR 1.84(k)
   _____ Scale not large enough to show mechansim without crowding when drawing is reduced in size to two-thirds in reproduction
      Fig.(s)_____

10. **CHARACTER OF LINES, NUMBERS, & LETTERS**. 37 CFR 1.84(l)
   __✓__ Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).
      Fig(s) ALL

11. **SHADING**. 37 CFR 1.84(m)
   _____ Solid black areas. Fig.
   _____ Solid black shading not permitted. Fig(s)_____
   _____ Shade lines, pale, rough and blurred. Fig(s)

12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS**. 37 CFR 1.84(p)
   _____ Numbers and reference characters not plain and legible
      Fig(s)_____
   _____ Figure legends are poor. Fig._____
   _____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig.(s)_____
   _____ English alphabet must be used. 37 CFR 1.84(p)(3) Fig(s)_____
   _____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s)_____

13. **LEAD LINES**. 37 CFR 1.84(q)
   _____ Lead lines cross each other. Fig.(s)_____
   _____ Lead lines missing. Fig(s)_____

14. **NUMBERING OF SHEETS OF DRAWINGS**. 37 CFR 1.84(t)
   _____ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s)_____

15. **NUMBERING OF VIEWS**. 37 CFR 1.84(u)
   _____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s)_____

16. **CORRECTIONS**. 37 CFR 1.84(w)
   _____ Corrections not made from PTO 948 dated _____

17. **DESIGN DRAWINGS**. 37 CFR 1.152
   _____ Surface shading shown not appropriate. Fig(s)_____
   _____ Solid black shading not used for color contrast. Fig(s)_____

COMMENTS

REVIEWER _____ DATE 0804/98 TELEPHONE NO. 703-305-8901

ATTACHMENT TO PAPER NO. _____

PTO COPY

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities—37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention,
inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is
unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in
accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of
Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing
should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

2. Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set
in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant
must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity
of obtaining as extension of time and paying the extension fee. Therefore, applicant should file corrected drawings
as soon as possible.

Failure to take corrective action within set (or extended) period will result in ABANDONMENT of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, MUST be approved by
the examiner before the application will be allowed. No changes will be permitted to be made, other than correction
of informalities, unless the examiner has approved the proposed changes.